

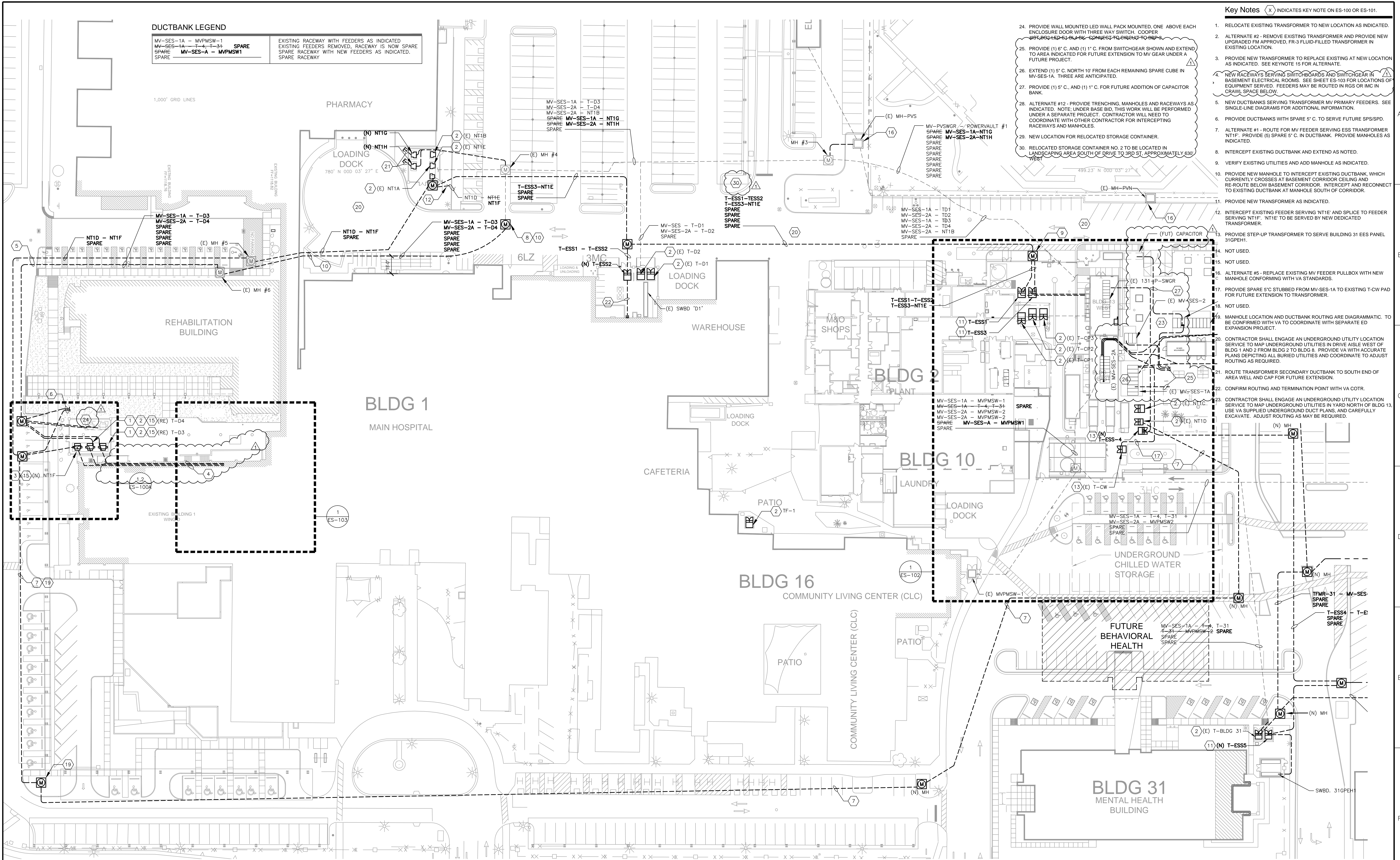
DUCTBANK LEGEND

MV--SES-1A - MVPMSW-1
MV--SES-1A - T-4, T-34
SPARE
MV--SES-A - MVPMSW1

EXISTING RACEWAY WITH FEEDERS AS INDICATED.
EXISTING FEEDERS REMOVED, RACEWAY IS NOW SPARE
SPARE RACEWAY WITH NEW FEEDERS AS INDICATED.
SPARE RACEWAY

Key Notes (X) INDICATES KEY NOTE ON ES-100 OR ES-101.

- RELOCATE EXISTING TRANSFORMER TO NEW LOCATION AS INDICATED.
- ALTERNATE #2 - REMOVE EXISTING TRANSFORMER AND PROVIDE NEW UPGRADED FM APPROVED, FR-3 FLUID-FILLED TRANSFORMER IN EXISTING LOCATION.
- PROVIDE NEW TRANSFORMER TO REPLACE EXISTING AT NEW LOCATION AS INDICATED. SEE KEYNOTE 15 FOR ALTERNATE.
- NEW RACEWAYS SERVING SWITCHBOARDS AND SWITCHGEAR IN BASEMENT ELECTRICAL ROOMS. SEE SHEET ES-103 FOR LOCATIONS OF EQUIPMENT SERVED. FEEDERS MAY BE ROUTED IN RGS OR IMC IN CRAWL SPACE BELOW.
- NEW DUCTBANKS SERVING TRANSFORMER MV PRIMARY FEEDERS. SEE SINGLELINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE DUCTBANKS WITH SPARE 5" C. TO SERVE FUTURE SPS/SPD.
- ALTERNATE #1 - ROUTE FOR MV FEEDER SERVING ESS TRANSFORMER, 'NT1F'. PROVIDE (5) SPARE 5" C. IN DUCTBANK. PROVIDE MANHOLES AS INDICATED.
- INTERCEPT EXISTING DUCTBANK AND EXTEND AS NOTED.
- VERIFY EXISTING UTILITIES AND ADD MANHOLE AS INDICATED.
- PROVIDE NEW MANHOLE TO INTERCEPT EXISTING DUCTBANK, WHICH CURRENTLY CROSSES AT BASEMENT CORRIDOR CEILING AND RE-ROUTE BELOW BASEMENT CORRIDOR. INTERCEPT AND RECONNECT TO EXISTING DUCTBANK AT MANHOLE SOUTH OF CORRIDOR.
- PROVIDE NEW TRANSFORMER AS INDICATED.
- INTERCEPT EXISTING FEEDER SERVING 'NT1E' AND SPLICE TO FEEDER SERVING 'NT1F'. 'NT1E' TO BE SERVED BY NEW DEDICATED TRANSFORMER.
- PROVIDE STEP-UP TRANSFORMER TO SERVE BUILDING 31 EES PANEL 31GPEH1.
- NOT USED.
- NOT USED.
- ALTERNATE #5 - REPLACE EXISTING MV FEEDER PULLBOX WITH NEW MANHOLE CONFORMING WITH VA STANDARDS.
- PROVIDE SPARE 5" C. STUBBED FROM MV-SES-1A TO EXISTING T-CW PAD FOR FUTURE EXTENSION TO TRANSFORMER.
- NOT USED.
- MANHOLE LOCATION AND DUCTBANK ROUTING ARE DIAGRAMMATIC. TO BE CONFIRMED WITH VA TO COORDINATE WITH SEPARATE ED EXPANSION PROJECT.
- CONTRACTOR SHALL ENGAGE AN UNDERGROUND UTILITY LOCATION SERVICE TO MAP UNDERGROUND UTILITIES IN DRIVE AISLE WEST OF BLDG 1 AND 2 FROM BLDG 2 TO BLDG 8. PROVIDE VA WITH ACCURATE PLANS DEPICTING ALL BURIED UTILITIES AND COORDINATE TO ADJUST ROUTING AS REQUIRED.
- ROUTE TRANSFORMER SECONDARY DUCTBANK TO SOUTH END OF AREA WELL AND CAP FOR FUTURE EXTENSION.
- CONFIRM ROUTING AND TERMINATION POINT WITH VA COTR.
- CONTRACTOR SHALL ENGAGE AN UNDERGROUND UTILITY LOCATION SERVICE TO MAP UNDERGROUND UTILITIES IN YARD NORTH OF BLDG 13. USE VA SUPPLIED UNDERGROUND DUCT PLANS, AND CAREFULLY EXCAVATE. ADJUST ROUTING AS MAY BE REQUIRED.



OVERALL ELECTRICAL SITE PLAN - SOUTH

1" = 30'-0"

CONSULTANT:

CONSULTANT:

ARCHITECT/ENGINEERS:

Drawing Title
OVERALL ELECTRICAL SITE PLAN - SOUTH

Approved Project Director

Project Title
SITE ELECTRICAL DISTRIBUTION UPGRADE

Location
PHOENIX, AZ

Date
03-06-2015

Checked
Drawn

Project Number
644-13-015 / 644-14-003

Building Number
1, 8, 16, 21, 31

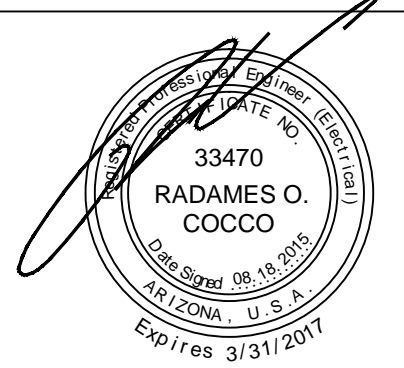
Drawing Number
ES-100
Dwg. --- of 49

'BID SET'

Office of
Construction
and Facilities
Management



ADDENDUM NO. 1	08/18/2015
Revisions	Date



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